



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

Handwritten notes: PAL by [signature] OK

INSPECTION REPORT

Partial XXX Complete ___ Exploration ___
Inspection Date: 04/24/2002 Time: 10:00 am-2:30pm
Date of Last Inspection: 03/26/2002

Mine Name: Deer Creek Mine County: Emery Permit Number: C/015/018
Permittee and/or Operator's Name: PacifiCorp
Business Address: P.O. Box 310, Huntington, Utah 84528
Company Official(s): Dennis Oakley
State Official(s): Stephen J. Demczak, Priscilla Burton Federal Official(s): None
Weather Conditions: Windy, 50's
Type of Mining Activity: Underground XXX Surface ___ Prep Plant ___ Other ___
Existing Acreage: Permitted 19010 Disturbed 95.79 Regraded ___ Seeded ___
Status: Active

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

- 1. Substantiate the elements on this inspection by checking the appropriate performance standard.
a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

Table with 5 columns: Item, EVALUATED, N/A, COMMENTS, NOV/ENF. Rows include categories like PERMITS, SIGNS AND MARKERS, TOPSOIL, HYDROLOGIC BALANCE, etc.

INSPECTION REPORT
(Continuation Sheet)

PERMIT NUMBER: C/015/018

DATE OF INSPECTION: 04/24/2002

(COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE)

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

Priscilla Burton attended the inspection for the purpose of discussing Amendment 99C(5). The submittal is currently under review by the Division. The amendment to the MRP includes a commitment to sample refuse and overburden in Deer Creek and Elk Canyon in the 2002 field season. Proposed sample locations in Deer Creek Canyon are near the shop building and near the bathhouse and the outslope of the refuse pile. Two samples will be taken in Elk Canyon. Samples will be taken using a rotary core and split spoon, except that sampling the outslope of the refuse will require a trench. Samples will be taken to a depth that is four feet below the proposed reclaimed surface.

3. TOPSOIL

The topsoil pile located at the active refuse pile was inspected. There were no signs of wind or water erosion. The topsoil stored along the road is protected by vegetation. Silt fences protect the topsoil refuse pile.

4A. HYDROLOGIC BALANCE: DIVERSIONS

Several diversions were spot-checked and complied with the R645 Coal Rules.

4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The mine site's sediment pond was inspected with no hazardous conditions noticed. The pond was discharging during the inspection.

4C. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

Several alternate sediment control measures were inspected and complied with the Mining and Reclamation Plan.

4D. HYDROLOGIC BALANCE: WATER MONITORING

The permittee is two quarters behind in entering the water monitoring data into the electronic data system. The permittee has submitted this information in paper form. The Mining Permit issued by the Division of Oil, Gas and Mining effective on February 7, 2001 states in Special Condition #3 in Attachment A that water quality data for the Deer Creek will be submitted in an electronic format, using web site, <http://hlunix.hl.state.ut.us/cgi-bin/appx-ogm.cgi>.

INSPECTION REPORT
(Continuation Sheet)

PERMIT NUMBER: C/015/018

DATE OF INSPECTION: 04/24/2002

4E. HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS

Leachate from salt stored at the fan pad was in evidence in the ditches running downstream from the fan pad. Mr. Oakley indicated that the mine's practice of mixing salt with sand to treat the icy roads in winter had lowered the TDS of the pond discharge (UPDES point) by about half. In fact, discharge from point 001 (Deer Creek Mine Sediment Pond Discharge) in the first quarter of 2000 averaged 7,714 mg/L TDS. (The maximum loading limit listed on the Discharge Monitoring Report is 3,407 mg/L TDS.) The first quarter of 2001 averaged 2,218 mg/L TDS.

In researching the TDS values, it was noted that the third quarter 2001 information filed with the Division was sampled and analyzed in 1999. Please file the correct third quarter 2001 water monitoring reports with the Division before the next inspection and check to make certain that the third quarter water monitoring information entered into the data base is accurate.

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

All refuse piles were inspected, with no hazardous conditions noticed. Photographs were taken and can be seen in O:/015018.der/Images/04242002.

Erosion has been controlled on the outslope of the materials yard refuse pile by the establishment of vegetation. This slope is shown on the Vegetation Monitoring map (enclosed with the Annual reports) for the Deer Creek Mine as the "Refuse Pile and Berm." Volume 2, Part 4 page 4-31 explains that this slope was seeded in 1981/1982 and again in 1988. The seed mix used in 1988/1989 is listed on page 4-31. No shrubs were seeded. Page 4-32 describes that the slopes were first cleaned of debris, then the seed mixture was applied, and then the following mixture was sprayed onto the surface:

Sylva fiber hydromulch 2000 lbs/acre
Organic tackifier 120 lbs/acre
Ammonium nitrate 50 lbs/acre
Triple superphosphate 75 lbs/acre

See the Vegetation Monitoring Report and the 1988 and 1989 Annual Reports for further information. Successful vegetation establishment was determined to be a cover of at least 60% (page 4-32).

Interim revegetation has been monitored for cover and density in the years following seeding. The most recent monitoring record is in the 1998 Annual Report where the mean total living cover for the Deer Creek "Refuse Pile and Berm" was reported to be 42%. The composition of this cover was as follows: 25% shrubs, 25% forbs, and 49% grasses.

The dominant plant species observed were *Chrysothamnus nauseosus*, *Chrysothamnus viscidiflorus*, *Eriogonum corymbosum*, *Aster chilensis*, *Halogeton glomeratus*, *Machaeranthera canescens*, *Medicago sativa*, *Penstemon palmeri*, *Salsola pestifer*, *Agropyron cristatum*, *Bromus inermis*, *Elymus lanceolatus*, *Elymus smithii*, *Elymus spicatus*, *Elymus cinereus*, *Hordeum jubatum*, *Stipa hymenoides*.

INSPECTION REPORT
(Continuation Sheet)

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Of these dominant species, *Elymus smithii*, *Elymus spicatus*, *Stipa hymenoides*, *Penstemon palmeri*, *Medicago sativa*, and *Aster chilensis* were seeded.

Vegetation on the refuse slope in Elk Canyon was notable for it's volunteer conifers and *Eriogonum corymbosum*. No monitoring is being conducted on this outslope (apparently it was not seeded).

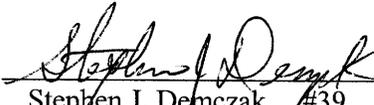
8. NONCOAL WASTE

Some non-coal waste material was outside the non-coal waste storage area.

18. SUPPORT FACILITIES/UTILITY INSTALLATIONS

No new surface facilities were constructed since the last inspection.

Inspector's Signature: _____


Stephen J. Demczak #39

Date: May 1, 2002

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas & Mining.

cc: James Fulton, OSM
Chuck Semborski, PacifiCorp
Price Field office

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